



Fig. S3. (A) Bar chart showing relative abundance of bacteria at the phylum level in lesional and non-lesional skin of patients with psoriasis and in skin of controls. (b) Significant differences in the skin shown for the phyla *Firmicutes*, *Proteobacteria*, *Cyanobacteria* and *Fusobacteria*. (False discovery rate (FDR) $**p < 0.01$, $***p < 0.001$). (c) Bar chart showing relative abundance of bacteria at the genus level in lesional and non-lesional skin of patients with psoriasis and in the skin of controls. *100% sequence ID was obtained for the entire sequence (430 bp) against identified bacteria (such as *Moraxella* and *Enhydrobacter*) and unidentified bacteria.